

Spill Contingency Plan – FOX-3

1. Contact Information

This Spill Contingency Plan (SCP) was prepared for the site's long-term landfill monitoring program and is effective as of November 1, 2019. It is effective until the expiry date of the Water Use Licence for this site, unless new information becomes available that warrants an update to this plan prior to expiry of the licence. The landfill monitoring contractor (herein referred to as the "contractor") shall make this SCP available to all team members and shall also post this SCP on-site in the camp.

This plan does not relieve the contractor of their obligation to follow all applicable federal and territorial laws and regulations, as well as their internal corporate health, safety and environment policies. This plan does not relieve the contractor of their obligation to develop appropriate health, safety and environmental protection plans, including possible supplemental spill contingency plans, as required.

To request additional information, please contact:

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2. Introduction

This contingency plan presents the prescribed course of action to be taken in the case of an unanticipated spill event occurring during the landfill monitoring program at the site. The plan will enable the site team to maximize the effectiveness of the environmental protection response and meet regulatory requirements for reporting to the appropriate authorities.

2.1 Scope and Purpose

The purpose of the plan is to:

- Identify the contractor's roles and responsibilities for spill response activities;
- Provide a clear statement of the procedures to be followed in response to a spill;
- Minimize potential environmental impact from a spill by establishing a pre-determined action plan;
- Protect the health and ensure the safety of the personnel involved in the spill response activities;
- Provide a reporting network for spills; and,
- Ensure site restoration.

2.2 Site Information

It is estimated that the landfill monitoring program will require small amounts of gasoline and/or diesel for all-terrain vehicles, pick-up trucks and/or small generators, which will be purchased from the community and will not typically be stored on-site by the contractor.

2.3 Potential Safety Hazards

The most significant potential safety hazard related to a fuel spill at the site is possible soil and/or water contamination. Although contamination is a potential hazard, the likelihood is low and potential spill volumes are small.

2.4 Environmental Mapping

The attached drawing shows the site plan, including site infrastructure and nearby bodies of water. The camp and any fuel storage would typically be located within close proximity of the airstrip. The contractor will be responsible for equipping the camp and the ATVs/trucks with appropriate spill response equipment.

2.5 Resource and Chemical Inventory

The following equipment is typically on-site during a landfill monitoring program event: ATVs and/or pick-up trucks, small spill kits and shovels. The contractor might also bring a small generator to site to provide electricity.

The following chemicals are typically on-site during a landfill monitoring program event: gasoline and/or diesel.

2.6 Training and Exercises

As the potential spill volume is small, no formal spill response training is typically provided. However, general spill response awareness and use of the spill clean-up materials shall be included in the contractor's health, safety and environment training program and plan.

3. Response Organization

3.1 Roles and Responsibilities

The contractor will be responsible for spill response clean up in the event of a spill during the landfill monitoring activities at the site. The contractor's responsibilities for spills on land, ice/snow and water are described below:

- Follow all applicable federal and territorial laws and regulations related to fuel storage, including, but not limited to, provision for the appropriate types/quantities of spill kit materials and equipment and/or secondary containment based on the types/quantities of fuel the contractor chooses to store at the site;
- Acquire all required spill prevention/response materials and equipment prior to arrival at the site and ensure they are readily available throughout the duration of all site activities;
- Ensure all team members are aware of all locations of spill prevention/response materials and equipment and their proper use;
- Stop or reduce discharge, if it is safe to do so;
- Make every effort to contain the spill;
- Deploy hand tools and absorbents to the spill site;
- Follow all guidelines and regulations for disposal of spilled materials and contaminated soil as established by appropriate government agencies;
- Document all events/actions;
- Verbally report all spills to DND as soon as practical; and,
- Report the spill to the Spill Report Line and follow up with a written spill report. This report shall summarize the initial report information, confirmation of spill volume, actions taken, future remediation/monitoring requirements and a sketch map and/or photographs of the spill area.

3.2 Communications and Contacts

Intra-site communication is via two-way radios, and a satellite phone will be used for all other communications. The following table provides relevant contact numbers.

Resource	Location	Phone Number
24 Hour Spill Line	Northwest Territories/Nunavut	867-920-8130
Government of Nunavut – Environmental Protection Division	Iqaluit	867-975-7700
Environment and Climate Change Canada – Enforcement Officer	Iqaluit	867-975-4644
Crown-Indigenous Relations and Northern Affairs Canada – Water Resources Manager	Iqaluit	867-975-4550
Crown-Indigenous Relations and Northern Affairs Canada – Lands Administration Manager	Iqaluit	867-975-4280
Crown-Indigenous Relations and Northern Affairs Canada – Field Operations Manager	Iqaluit	867-975-4553
Department of National Defence – Laura D'Costa, Senior Project Manager	Ottawa	613-943-7852
Department of National Defence – Alison Street, Project Engineer	Ottawa	613-995-8603

4. Action Plan

Gasoline and/or diesel could potentially be spilled at the site; however, the potential spill volumes would be relatively small and would only affect the immediate area around the spill site.

4.1 Preventative Measures

In order to minimize the risk of spills, the contractor shall follow these procedures:

- Follow all applicable federal and territorial laws and regulations related to fuel storage, including, but not limited to, provision for the appropriate types/quantities of spill kit materials and equipment and/or secondary containment based on the types/quantities of fuel the contractor chooses to store at the site;
- Acquire all required spill prevention/response materials and equipment prior to arrival at the site and ensure they are readily available throughout the duration of all site activities;
- Ensure all team members are aware of all locations of spill prevention/response materials and equipment and their proper use;
- Equip the camp and each ATV/truck with appropriate spill prevention/response materials and equipment, as appropriate;
- Any fuel stored at the site shall be stored in its original containers in an upright position;
- Conduct ATV/truck fuelling in a manner that avoids spillage. Operators are to be in attendance for the duration of the refuelling operation and are to ensure that all storage container outlets are properly sealed after use;
- Do not stop ATVs/trucks in areas of ponded water or near streams;
- Do not store fuel or ATVs/trucks on top of any snow or ice that may be present at the site, and avoid driving over ice and snow as much as possible; and,
- Smoking is prohibited within 10 metres of any fuel storage areas.

4.2 Initial Actions in the Event of a Spill

In the event of a spill on land, ice/snow or water, protection of human health and safety is paramount. Health and safety risks to personnel involved in a spill response are possible, as is contamination of the surrounding environment. The individual discovering a spill shall:

- Warn the people in the immediate vicinity and evacuate if necessary;
- Isolate or remove any ignition sources and take all safety precautions before approaching;
- Attempt to stop the leakage and contain the spill, if safe to do so;
- Deploy equipment and personnel to initiate containment and clean up;
- Report to DND; and,
- Prepare the Government of the Northwest Territories/Nunavut Spill Report Form.

5. Reporting Procedures

When reporting a spill to the 24 Hour Spill Report Line and completing the Nunavut Spill Report Form, the following information shall be included:

- Date and time of the spill;
- Location of the spill and direction the spill may be moving;
- Name and phone number of a contact person close to the location of the spill;
- Type and quantity of contaminant spilled;
- Cause of the spill;
- Whether the spill is continuing or has stopped;
- Description of the existing containment;
- Action taken to contain, recover, clean up and dispose of spilled material;
- Name, address and phone number of the person reporting the spill; and
- Name of owner or person in charge, management or control of the contaminants at the time of the spill.

The follow up spill report is to be submitted to the Crown-Indigenous Affairs and Northern Development Canada (CIRNAC) Water Resources Officer no later than 30 days after initially reporting the spill to the spill report line.

The contact list is provided in Section 3.2.